

#2

OIPE

RAW SEQUENCE LISTING

DATE: 07/30/2001

PATENT APPLICATION: US/09/910,120

TIME: 15:58:04

Input Set : A:\1751seq.001

Output Set: N:\CRF3\07302001\I910120.raw

ENTERED

3 <110> APPLICANT: DANA AULT-RICHE
 4 PAUL D. KASSNER
 6 <120> TITLE OF INVENTION: COLLECTIONS OF BINDING PROTEINS AND TAGS
 7 AND USES THEREOF FOR NESTED SORTING AND HIGH THROUGHPUT
 8 SCREENING
 10 <130> FILE REFERENCE: 25885-1751
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/910,120
 13 <141> CURRENT FILING DATE: 2001-07-18
 15 <150> PRIOR APPLICATION NUMBER: 60/219,183
 16 <151> PRIOR FILING DATE: 2000-07-19
 18 <160> NUMBER OF SEQ ID NOS: 73
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 18
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Primer
 30 <221> NAME/KEY: variation
 31 <222> LOCATION: 5,6,11,14,17
 32 <223> OTHER INFORMATION: N is any
 34 <400> SEQUENCE: 1
 35 gatcnnngatc ntcngang 18
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 18
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: Primer
 45 <221> NAME/KEY: variation
 46 <222> LOCATION: 5,6,11,14,17
 47 <223> OTHER INFORMATION: N is any
 49 <400> SEQUENCE: 2
 50 gatcnnngatc ntcngang 18
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 18
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Primer
 60 <221> NAME/KEY: variation
 61 <222> LOCATION: 5,6,11,14,17
 62 <223> OTHER INFORMATION: N is any
 64 <400> SEQUENCE: 3
 65 gatcnnngatc ntcngang 18
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 74

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69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Primer
75 <221> NAME/KEY: variation
76 <222> LOCATION: 66 /
77 <223> OTHER INFORMATION: N is G or T
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: 39-42
81 <223> OTHER INFORMATION: Shine-Dalgarno sequence (AGGA)
83 <400> SEQUENCE: 4
84 gaattctaatacgaactcact ataggggttaa cttaagaag gagatataca tatgatggtc 60
*-> 85 cagctnctcg agtc 74
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 53
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Primer
95 <221> NAME/KEY: variation
96 <222> LOCATION: 45 /
97 <223> OTHER INFORMATION: N is G or T
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (1)...(17)
101 <223> OTHER INFORMATION: T7 RNA polymerase promotor
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: 34-36
105 <223> OTHER INFORMATION: Start codon
107 <400> SEQUENCE: 5
108 taatacgaact cactataggg aagcttggcc accatgggtcc agctnctcga gtc 53
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 34
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Oligonucleotide: SfilNotIFor
118 <400> SEQUENCE: 6
119 catggcggcc cagccggcct aatgagcggc cgca 34
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 34
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Oligonucleotide: SfilNotIRev
129 <400> SEQUENCE: 7
130 agcttgccgc cgctcattag gccggctggg ccgc 34
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 43
134 <212> TYPE: DNA

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135 <213> ORGANISM: Artificial Sequence
 137 <220> FEATURE:
 138 <223> OTHER INFORMATION: Oligonucleotide: HAFor
 140 <400> SEQUENCE: 8
 141 ctagaatatc cgtatgatgt gccggattat gcgaatagcg ccg 43
 143 <210> SEQ ID NO: 9
 144 <211> LENGTH: 43
 145 <212> TYPE: DNA
 146 <213> ORGANISM: Artificial Sequence
 148 <220> FEATURE:
 149 <223> OTHER INFORMATION: Oligonucleotide: HARev
 151 <400> SEQUENCE: 9
 152 tcgacggcgc tattcgcata atccggcaca tcatacggat aaa 43
 154 <210> SEQ ID NO: 10
 155 <211> LENGTH: 40
 156 <212> TYPE: DNA
 157 <213> ORGANISM: Artificial Sequence
 159 <220> FEATURE:
 160 <223> OTHER INFORMATION: Oligonucleotide: M2For
 162 <400> SEQUENCE: 10
 163 ctagaagatt ataaagatga cgacgataaa aatagcgccg 40
 165 <210> SEQ ID NO: 11
 166 <211> LENGTH: 40
 167 <212> TYPE: DNA
 168 <213> ORGANISM: Artificial Sequence
 170 <220> FEATURE:
 171 <223> OTHER INFORMATION: Oligonucleotide: M2Rev
 173 <400> SEQUENCE: 11
 174 tcgacggcgc tattttttatc gtcgtcatct ttataatcaa 40
 176 <210> SEQ ID NO: 12
 177 <211> LENGTH: 23
 178 <212> TYPE: DNA
 179 <213> ORGANISM: Artificial Sequence
 181 <220> FEATURE:
 182 <223> OTHER INFORMATION: Primer: HuVH1aBACK
 184 <400> SEQUENCE: 12
 185 caggtgcagc tgggtgcagtc tgg 23
 187 <210> SEQ ID NO: 13
 188 <211> LENGTH: 23
 189 <212> TYPE: DNA
 190 <213> ORGANISM: Artificial Sequence
 192 <220> FEATURE:
 193 <223> OTHER INFORMATION: Primer: HuVH2aBACK
 195 <400> SEQUENCE: 13
 196 cagctcaact taagggagtc tgg 23
 198 <210> SEQ ID NO: 14
 199 <211> LENGTH: 23
 200 <212> TYPE: DNA
 201 <213> ORGANISM: Artificial Sequence

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Input Set : A:\1751seq.001

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203 <220> FEATURE:
204 <223> OTHER INFORMATION: Primer:HuVH3aBACK
206 <400> SEQUENCE: 14
207 gaggtgcagc tggaggagtc tgg                23
209 <210> SEQ ID NO: 15
210 <211> LENGTH: 23
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Primer:HuVH4aBACK
217 <400> SEQUENCE: 15
218 caggtgcagc tgcaggagtc ggg                23
220 <210> SEQ ID NO: 16
221 <211> LENGTH: 23
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Primer:HuVH5aBACK
228 <400> SEQUENCE: 16
229 gaggtgcagc tgttgcagtc tgc                23
231 <210> SEQ ID NO: 17
232 <211> LENGTH: 23
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Primer:HuVH6aBACK
239 <400> SEQUENCE: 17
240 caggtacagc tgcagcagtc agg                23
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 24
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Primer:HuJH1-2FOR
250 <400> SEQUENCE: 18
251 tgaggagacg gtgaccaggg tgcc                24
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 24
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Primer: HuJH3FOR
261 <400> SEQUENCE: 19
262 tgaagagacg gtgaccattg tccc                24
264 <210> SEQ ID NO: 20
265 <211> LENGTH: 24
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:

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PATENT APPLICATION: US/09/910,120

DATE: 07/30/2001

TIME: 15:58:04

Input Set : A:\1751seq.001

Output Set: N:\CRF3\07302001\I910120.raw

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270 <223> OTHER INFORMATION: Primer: HuJH4-5FOR
272 <400> SEQUENCE: 20
273 tgaggagacg gtgaccaggg ttcc 24
275 <210> SEQ ID NO: 21
276 <211> LENGTH: 24
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Primer: HuJH6FOR
283 <400> SEQUENCE: 21
284 tgaggagacg gtgaccgtgg tccc 24
286 <210> SEQ ID NO: 22
287 <211> LENGTH: 23
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Primer: HuVkappalaBACK
294 <400> SEQUENCE: 22
295 gacatccaga tgaccagtc tcc 23
297 <210> SEQ ID NO: 23
298 <211> LENGTH: 23
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Primer: HuVkappa2aBACK
305 <400> SEQUENCE: 23
306 gatgttgtga tgactcagtc tcc 23
308 <210> SEQ ID NO: 24
309 <211> LENGTH: 23
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Primer: HuVkappa3aBACK
316 <400> SEQUENCE: 24
317 gaaatttgtg tgacgcagtc tcc 23
319 <210> SEQ ID NO: 25
320 <211> LENGTH: 23
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Primer: HuVkappa4aBACK
327 <400> SEQUENCE: 25
328 gacatcgtga tgaccagtc tcc 23
330 <210> SEQ ID NO: 26
331 <211> LENGTH: 23
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Primer: HuVkappa5aBACK

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/910,120

DATE: 07/30/2001

TIME: 15:58:05

Input Set : A:\1751seq.001

Output Set: N:\CRF3\07302001\I910120.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:729 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:62
L:762 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65